

[illegible]

## 2) Performance

### a. Receive Sensitivity

Mode	Rx Sensitivity
CCK 1M	-95dBm
CCK 11M	-88dBm
2.4G OFDM 6M	-92dBm
2.4G OFDM 54M	-74dBm

### b. Transmitter Power

Mode	Tx Power
CCK 11M	13dBm
2.4G OFDM 6M	13dBm

### c. Power Consumption

ZD1211B + UW2453		
	802.11g, CH1 Data rate = 6Mbps Pout = 13dBm	802.11b, CH1 Data rate = 11Mbps Pout = 13dBm
Power Save Mode	52 mA	52 mA
Suspend Mode	1.6 mA	1.6 mA
Standby Mode	180 mA	162 mA
Rx Mode	180 mA	163 mA
Transmit Mode	235 mA	246 mA
Transmit Mode (Continuous Power)	280 mA	293 mA

## 3) Antenna Specification

Antenna Type	PIFA
Frequency Range	2400-2500MHz
Center Frequency	2450Mhz
Peak Gain(Max)	1.7dBi
VSWR	<2.0
Impedance	50Ohms
Connect Cable	Φ 1.13/length(unknow) mm
Connector	I-PEX

#### 4) Dual-Antenna work principle

Dual-Antenna with feedback cable (1.13mm/Length1=340mm/Length2=270mm) connect with the WiFi module through the standard connector I-PEX.

WiFi Module Control Unit can check the signal strength of the two antennas ,and decide use which one through control the RF switch unit. In the same time just One Antenna is working.